

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



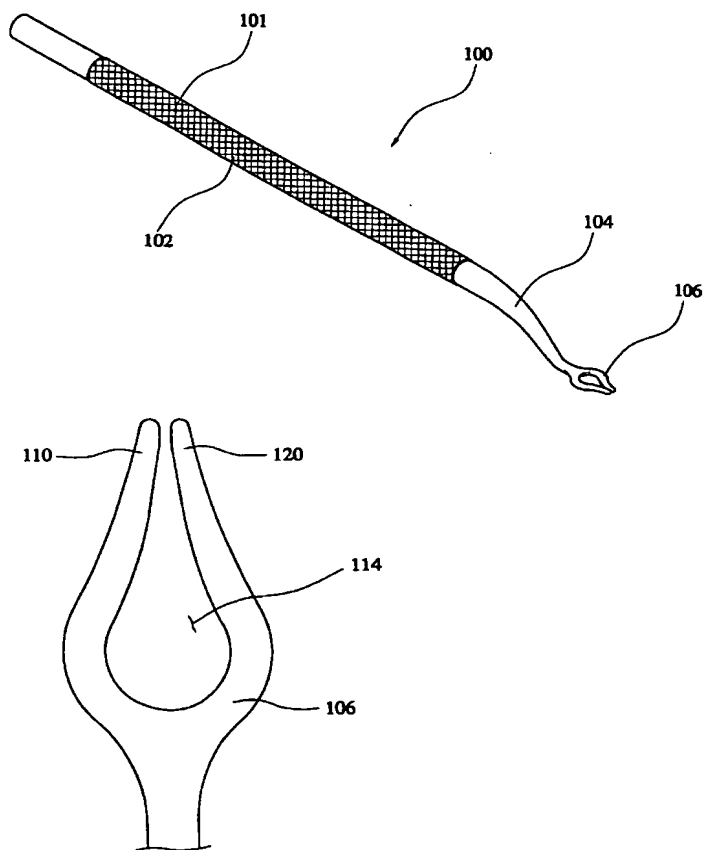
(43) International Publication Date
18 December 2003 (18.12.2003)

PCT

(10) International Publication Number
WO 2003/103471 A3

- (51) International Patent Classification⁷: **A61B 17/00**, 17/50, A45D 44/00
- (21) International Application Number: **PCT/KR2003/001101**
- (22) International Filing Date: **4 June 2003 (04.06.2003)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
20-2002-0017309 5 June 2002 (05.06.2002) KR
10-2003-0028202 2 May 2003 (02.05.2003) KR
- (71) Applicant and
(72) Inventor: **KANG, Hyung-Chul [KR/KR]**; 8-301, Geondeok Villa, #166, Gugi-dong, Jongno-gu, Seoul 110-804 (KR).
- (74) Agent: **JO, Eul-Je**; Top Patent & Law Firm, Rm. 1405, Hyecheon Bldg., #831, Yuksam-dong, Gangnam-gu, Seoul 135-080 (KR).
- (81) Designated States (*national*): **CN, JP, US.**
- (84) Designated States (*regional*): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).
- Published:
— with international search report
- (88) Date of publication of the international search report:
1 April 2004
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **PIMPLE REMOVAL UTENSIL**



(57) Abstract: A pimple removal utensil (100) is provided in which pimples are easily squeezed open sanitarly with the pimples left untouched irrespective of size of the pimples. The pimple removal utensil (100) includes a holder (101) having an uneven surface (102) which is formed to be easily held by the hand, and an auxiliary grip protruded perpendicularly with the uneven surface (102), and a pressing portion (106) in which a first extension (110) and a second extension (120) are formed so that both extensions (110, 120) correspond to each other by opening one portion on the circumference of an insertion hole (114), and gradually narrowing the opened edges, and the bottom surface thereof is formed of a convex curved surface. A massage ball is further provided on the upper portion of the holder (101). The first and second extensions (110, 120) are made of a number of indents, which are gradually narrowed in correspondence to each other.

WO 2003/103471 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 03/01101-0

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: A61B 17/00, 17/50, A45D 44/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: A61B 17/00, 17/50, A45D 44/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

wpi; epodoc

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 1842403 A (Hunsaker F.E. et al.) 26 January 1932 (26.01.32) <i>figures 1,2; page 1, lines 48-55; page 2, lines 47-52.</i>	1,3
A	GB 461363 A (Roscoe A.) 16 February 1937 (16.02.37) <i>figures 1-3; page 2, lines 48-57,67-84.</i>	1,3

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

„A“ document defining the general state of the art which is not considered to be of particular relevance

„E“ earlier application or patent but published on or after the international filing date

„L“ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

„O“ document referring to an oral disclosure, use, exhibition or other means

„P“ document published prior to the international filing date but later than the priority date claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&“ document member of the same patent family

Date of the actual completion of the international search

11 November 2003 (11.11.2003)

Date of mailing of the international search report

26 November 2003 (26.11.2003)

Name and mailing address of the ISA/AT

Austrian Patent Office
Dresdner Straße 87, A-1200 Vienna

Facsimile No. 1/53424/535

Authorized officer

LUDWIG H.

Telephone No. 1/53424/340

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/KR 03/01101-0

Patent document cited in search report			Publication date	Patent family member(s)	Publication date
GB	A	461363	1937-02-16	none	
US	A	1842403	1932-01-26	none	